

FIRST YEAR MEN MAKE MUCH NOISE AT MASS MEETING

**Freshmen Told of Campaign to
Sell More Song Books
To Buy Shell**

COACHES ENTHUSIASTIC

**Hedlund, Haines are Very Op-
timistic Over Chances
Of Freshmen**

Loud noises were heard issuing from Room 10-250 last Friday afternoon as 300 freshmen cheered their class and applauded speakers at their first mass meeting.

The meeting was opened by an address by Bob Leadbetter '31, chairman of the songbook committee. He spoke of the use that the profits of the books would be put to, namely, the purchase of a new shell, and urged every freshman to purchase one. He announced the drive to sell the songbooks, which will be from Oct. 28 to Nov. 1.

Next, after a yell, Avery Bates, captain of the freshman football team, spoke optimistically of the chances of his team. He reported that while there were two full freshman teams practicing, the Sophomores have so far been unable to assemble one.

Oscar Hedlund, coach of the relay team, was also optimistic concerning freshman chances. After he had spoken, Horace S. Ford Jr., Junior class president and freshman adviser, spoke of the tug-of-war team. He said that although it consists of 24 men, only twenty have reported so far, and he urged all freshmen who weigh more than 150 pounds to try out for it.

"Bill" Haines, coach of crew, was the last speaker. After waxing enthusiastic over the freshman crew, he said that if the Class of 1933 supported the song books, he would use his influence to have the new shell named '33. This would be in line with a new project of various classes giving shells and naming them after themselves, he said. After some more cheering, the meeting broke up.

LIBERAL CLUB PLANS TARIFF DISCUSSION

**Professor Charles Doten Will
Explain Revenue Bill**

Professor Charles W. Doten, Professor of Political Economy in the Economics Department, will speak to the members and guests of the Liberal Club, Tuesday afternoon, at four o'clock, in Room 4-270. As a subject for discussion Professor Doten will take the tariff bill, now before the special session of congress.

In selecting Professor Doten to speak on the Tariff Bill, the Liberal Club feels that it has chosen a man of wide knowledge in tariff matters, Professor Doten having made special studies of matters pertaining to the United States Revenue, in line with his work as professor of political economy in the Institute.

All students and faculty members interested in hearing the talk are welcome to attend the meeting and to take part in the discussion on the tariff which will take place following Professor's Doten's talk. The club feels that the tariff question should be of special interest to the student body, and will welcome any comments on the measure at the open discussion.

Students Hired to Take Girls to School Dance

Dance partners can be obtained through the Employment Bureau of the T. C. A., according to Mr. Pennell M. Aborn's release of information about an actual case. The publicity of this new service was retained until those students, who were bribed to take some coeds to a dance, were out of school. The situation was such that two girls were unable to get dancing partners for their high school graduation ball and their father hired two Technology men for them. Besides having a good time, the men found the experience worthwhile financially.

Candidate for Frosh Managership Gets Dip

An over ambitious candidate for the freshman managership took a cold dip in the Charles, last Friday morning, when he reached for an oar of the incoming yearling boat. He was rescued slightly damp, but smiling, by students on the float. Although it is common occurrence for a manager to fall in while helping dock a boat it is the first time this year a freshman candidate has fallen into the drink.

A. I. E. E. TO HOLD DINNER MEETINGS

**General Electric Representa-
tive Will Discuss Electrical
Manufacturing**

Following their usual custom, the M. I. T. Branch of the American Institute of Electrical Engineers will give a series of dinner meetings this fall, the first of which is scheduled for Thursday evening at 6 o'clock in the North Hall of Walker Memorial. These meetings are held each year to enable the freshmen and Sophomores to become acquainted with the opportunities offered by the various types of electrical industries, with a view toward a more intelligent selection of their courses at the Institute.

Mr. N. J. Darling, works manager of the General Electric Company at Lynn, has been secured as speaker of the evening. He will address the society in the Main Hall of Walker immediately after the dinner on the subject of the opportunities offered the young engineer in electrical manufacturing. Motion pictures of typical electrical manufacturing projects will follow the talk.

The A. I. E. E. has made an innovation this year in the appointment of an Executive Committee to plan the program for the year. It is composed of two juniors, William H. Reid and Thomas P. Dunleavy; two Sophomores, John Gibson and Harold Lichtenstein; as well as the three senior officers, Ralph H. Swingle, Chairman; Harold J. Brown, Vice-chairman; and Charles M. Twelves, Secretary-Treasurer.

Tickets for the dinner, which are free to any desiring to attend, may be secured from any member of the executive committee or from Room 4-203 before Wednesday noon.

BATON MAKES PLANS FOR COMING SEASON

Baton, the undergraduate executive organization of the Musical Clubs, held the first meeting of the year at the Phi Kappa Fraternity house last Wednesday evening. Plans were made for the coming season. It was decided that the regular concert schedule will be followed, and the number of concerts somewhat extended. A dance was planned for the middle of November.

The following are the officers for the year: Biago C. D'Antoni '30, president; Thomas A. DeMarco '30, vice-president; George E. Kloote '30, secretary.

CHI EPSILON NAMES SIX COURSE I MEN

Chi Epsilon, honorary civil engineering fraternity, announces the pledging of the following Seniors to that organization: Robert A. Blondell, Henry N. Halberg, George E. Kloote, Louis G. LaPointe, Juel H. Lensch and William H. Locklin. The men are all registered in Course I.

Initiation of the group will take place at the Engineers Club at a banquet scheduled for November 14th. At this affair Professors Charles M. Spofford, John B. Babcock and Walter M. Fife, honorary members of the fraternity, will give short talks.

Only those men who are in the upper third of the class scholastically are eligible for membership in Chi Epsilon. The fraternity is national, with chapters in various engineering schools throughout the country, and this is the beginning of the third year of its chartered existence at Technology. Including the group to be initiated this fall, there are thirty active or graduate members of the Institute chapter.

T. C. A. WILL GIVE 'Y' MEMBERSHIPS TO DRIVE DONORS

**Annual Subscription Drive to
Commence on Evening
Of November 4**

DINNER ON WEDNESDAY

**Basic Y. M. C. A. Membership
Cards Given in Lieu of Tags
and Buttons**

Basic membership in the Boston and Cambridge Y. M. C. A.s will be given by the Technology Christian Association to the subscribers to their annual drive which will commence on November 4 and last for three days.

Instead of the buttons and tags which have been pinned on the donors in previous years, a card will be given to each subscriber stating the amount of his donation and entitling him to use the privileges of the Y. M. C. A. if he has given the required amount. A gift of \$3.00 will be honored as a basic membership to the Cambridge "Y" and \$5.00 is necessary for the use of the Boston Y. M. C. A.

This Wednesday evening there will be the meeting of all the men connected with the drive. A supper will be held in North Hall in Walker at 5:30 o'clock after which the final plans for subscriptions will be laid out. There have been men chosen from each fraternity and dormitory who will canvas their sections for contributions. Those men who do not live in the dormitories or fraternities will be asked by mail and by free lances for their subscriptions.

Henry O. Pattison '30 is in charge of the drive with other members of the T. C. A. taking charge of the different aspects of collecting the contributions. Tinsley W. Rucker '31 will supervise the fraternity collection while Laurence Podvin who has chosen 22 assistants will solicit the dormitory men. Louis S. Morse '31 and Stanley S. Rudnick '32 will handle the publicity and advertisement of the drive. Solicitation by mail will be under John Lawrence '32. The free lances who will cover the Institute are under the direction of Richard R. Hall '32.

The last drive exceeded the budget so that the T. C. A. was able to put magazines in the infirmary, start the theatre service and expand the employment bureau with the extra money. In this year's budget these services have been added to the regular work of the organization. The goal for the drive has not as yet been set.

Sophomores to Hold Important Meeting

Attention of all sophomores is called to their second official mass meeting on Wednesday, October 30, at 5:00 o'clock in Room 10-250. At that time plans for the coming year will be discussed and leaders of the Sophomore athletic teams will speak to the assembly. Thomas H. Jenkins, president of the class of 1932 stresses the importance of this meeting and urges as many of the second year men as possible to be present on this date.

Freshman Conspirators Foiled by Sophomores

Plans to capture the Sophomore class president are all off. Freshmen conspirators are wearing baffled, angry expressions. For just as their carefully laid plans were about to mature, it was discovered that Tom Jenkins, President of the Class of 1931 and the object of their deep, dark plots, was a member of the Sophomore football team, and that to capture him would mean forfeiting the football game. Hence the abandonment of their deep-laid plans, and the worried expressions.

However, they have no intentions of allowing the Sophomores to go unscathed, and assurance was made that a suitable mascot would be provided for Field Day. Just what this mascot would be was not revealed, but it is said that there is a surprise in store for the Sophomores.

SUMMERS NAMED AS NEW SQUASH COACH

**New England Champion for
Four Years Trained Under
Harry Cowles**

Appointment of John L. Summers, New England Professional Squash Racquets Champion, as squash coach at the Institute is announced today. He comes from the Union Boat Club where he has been coach for eleven years. Summers was secured to meet a wide demand among students and faculty for training in the game.

The new squash coach received his early training from Tom Pettit, former world's champion of courts, tennis, and racquets. He was also trained under Harry Cowles, Harvard coach and former New England Professional Squash Racquets Champion. In addition to holding the New England championship, which he has won for the past four years, Jack Summers is recognized unofficially as the United States Squash Racquets Champion. He is also tennis coach at the Longwood Cricket Club. During his years at the Union Boat Club he coached the championship A and B League teams during 1922 and 1923.

The squash courts building at the Institute is of steel construction, 154 feet long and 40 feet wide. The eight courts were built at a cost of \$30,000 in 1926. Since that time the increase in interest in this sport has resulted in the courts being in use throughout the day. Technology now has four league teams and balconies were recently built in the courts for the benefit of spectators at matches.

PRESIDENT STRATTON TO HOLD RECEPTION

President Stratton will hold his annual at-home to the freshman class tomorrow and Thursday from four to six o'clock. The large size of the class necessitates receiving it in two groups.

It has been customary for several years for the President to give an at-home to the incoming students in order to facilitate their meeting in a social way some members of the Faculty.

The President is also giving a reception to the students from foreign countries Wednesday, November sixth at seven o'clock.

FIELD DAY EVENTS TO FOLLOW ORDER OF FORMER YEARS

**Crew Races Scheduled to be
Held Before School Friday
Morning at 8**

CLASSES OVER AT NOON

**Most Exciting Match Promises
To Be Glove Fight—Held
After Other Events**

Field Day approaches, and the spirit of rivalry between the classes becomes more intense. The freshmen and Sophomores are anxiously awaiting the time when they can match their wits, strength, and skill against each other. Due to the larger number of men in each class than there have been in previous years the competition next Friday should be better and more exciting than ever.

Practically the same schedule of events that has prevailed in former years will be used. The crew race will be rowed about 8 o'clock Friday morning unless bad weather prevents; in which case this event will be held some time during the afternoon. This year, in order to save the shells, the race will be rowed in Lapstreak barges in the true sense of the word, as they are but 4 inches wider than the regular shells.

School Over at Noon

All other events will take place at the usual time during the afternoon following the dismissal of all classes at noon. The battles scheduled for the afternoon will begin with the tug-of-war at 2 o'clock. Victory in this event goes to the class winning two out of three pulls. After this the first half of the football game will be played. This promises to be the most exciting event of the day as both teams have been practicing hard for the contest and are in good condition and primed for action.

Between the halves of the football game the second pull of the tug-of-war will be held. If another is necessary it will take place after the football game. The relay race is next on the program. So far the freshmen have shown much more enthusiasm in running, but no time trials have been announced.

The most thrilling event of the day, the glove fight is the last event on the program. This year one point will be given to the winner of this brawl. This fight is held to give the two rival classes an opportunity to get rid of their surplus energy and still keep their enthusiasm within limits.

SQUASH TOURNAMENT PROGRESSING SLOWLY

**Graduate and Special Students
Eligible to Compete**

Technology's Squash Racquets Tournament has not gotten quite the flying start that was expected. In fact, if those men who have the intention of entering do not hurry up and register they will find themselves outside. Every student in the Institute, including the graduate and special students, is eligible to compete.

Five teams are going to be selected to represent the school in open competition. The teams will be coached by Jack Summers, New England squash racquets champion. Players will be divided into five classes as to the degree of their experience, and each division will have a team to represent it. Tennis players, racquet wielders, and all others interested in squash are urged to sign up for the tournament immediately on the card posted on the bulletin board opposite the Cashier's office.

NAVAL ARCHITECTURE SOCIETY PLANS YEAR

Under the leadership of Roy W. Chamberlain '31, president, the Naval Architecture Society has organized for the coming year and meetings will be held bi-weekly throughout the year on Mondays at 4:30 o'clock in Room 5-131. The next assembly will be called to order on October 28th at which time Daniel T. Cox '31 will speak on Mold Loft practice.

CLASS OF 1930 TO CHOOSE PROM COMMITTEE FROM THESE NOMINEES

The following men have been nominated for the Junior Prom Committee:

Robert S. Backus
John W. Bahr
Joseph B. Birdsell
Myron F. Burr
Frank P. Champlain
Charles Chapman
Emilio G. Collado
Ralph Davis
Warren T. Dickinson
James B. Fisk

J. Harold Genrich
O. Glenn Goodhand
Robert T. Leadbetter
Bertram H. MacLeod
Louis S. Morse
Elmer H. Orr
Anton Pruckner
Kenneth W. Smith
Harmon Truax
Richard H. Yates

Elections will be held on next Wednesday at which time five men will be chosen from this list of accepted nominees. These men will be the President of the Junior Prom will take charge of Technology's chief social function.

Balloting will be by the preferential system and voting will take place throughout the day.

A Record of
Continuons
News Service
for 48 Years



Official News
Organ of the
Undergraduates
of M. I. T.

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A SHELL FOR A SONG

SUCCESS from an unexpected quarter has come to the age-old quest of the whole world for "something for nothing". Along with a hundred million other people, we at the Institute have searched in vain for that something. Now in spite of the "conservation of energy" principles inculcated everlastingly in our freshman minds, the new Technology Song Book is undoubtedly a great deal for practically nothing.

To approach the matter in that proverbially cold, calculating frame of mind, the forte of the engineer, take note of these facts: First, every cent of profit after the expense of printing the volume has been met is to go to the crew for the purchase of a shell, surely the worthiest of motives; Second, besides this altruistic view-point there is this fact—to the purchaser of the book it brings the best of the Institute's contributions to Music, including old favorites and new songs; Third, the book is very cheaply priced.

Aside from its contributions to science and its general scholastic reputation, Technology is known to the outside world because of one thing only—its crew. Scan the metropolitan newspapers and verify this fact for yourself. Until the spring crew-racing season opens, very few of the Institute's activities have any news value. And even then, handicapped as is the crew in the matter of equipment, we are crowded from the front pages by more fortunate institutions. Last season was a good omen. With the help of each student, a new shell will increase our hopes a great deal. But—no shell, no crew.

Nothing is of quite so much value as a reminder of the days spent at college as a book of the songs traditional at the alma mater. Realizing that Technology was woefully limited in such a volume, there was appointed a Song Book committee to arrange the fine songs of the Institute in a form which each student would welcome. Contained therein are the prize songs of the past five years, as well as the "hits" from the famous Tech Shows and the songs every student knows. They go to make up the essence of Technology. As such, no student here can afford to be without this collection.

As a matter of fact, there is not a question of "affording to be without". Because every man could easily spare the dollar for the book's purchase. Respond to the drive that is being made this week to sell the books, and get one at the earliest opportunity. It will mean everything to the crew, it will be of great value to you yourself, and its price is negligible.

RESPONSIBLE UNDER-CLASSMEN

TODAY begins one of the few traditionally famous weeks at the Institute, one which culminates in Field Day on Friday. We have very few customs at Technology, but of these, Field Day stands out. It is the successful outgrowth of many disadvantageous plans, and has proved to be the best possible solution for the annual freshman-Sophomore clashes which are such a problem at many schools.

That the two classes at the Institute should settle their disputes in a manner typically American is a fine thing. We in the United States are world-renowned as exponents of clean sports; we at Technology have gained fame by adhering to those same principles. Technology does not gain all its repute from the number of men sent into the industries year after year. We have a reputation of clean sports to uphold, and Field Day is an important factor in this reputation.

The winners will, and rightfully, enjoy a reputation throughout the Institute. The Sophomores have a position to maintain, while the freshmen have theirs to make. Get out, then, all of you, for the glory of your class. But remember too, each of you, that the honor of Technology is in your hands.

The position of every participant in Field Day events is a peculiarly responsible one. It is human nature that favorable publicity goes comparatively unnoticed, while the hue and cry of the commonwealth and even the nation is raised over the slightest transgression of propriety. It is most important that conduct on this day is kept to its usual high standard.

THE LOUNGER

What this school needs, bitterly remarked the Lounger's well-dressed colleague, is fewer and better-chosen nicknames. On the contrary, replied the venerable ancient, there are too few nicknames about the Institute. How does it happen that coeds are not known by the highly appropriate appellations in vogue at other grindstones, such as 'Sadie Slipstick' and the like?

Once more scientific investigation has substantiated the accuracy of the calendar. From the week-end appearance of Massachusetts avenue, between the hours of midnight and dawn, the Lounger cleverly deduces that the Tech boys are undergoing training for Field Day; the Harvard rascals, for the Yale game.

In fact, be it known that certain of the crimson gents have recently invaded that well-known lair of Technology's great middle class, the strategically situated cafeteria just across the bridge. While hostilities did not advance beyond the stage of an occasional skirmish, it would seem that an artillery engagement, to the tune of much breaking glass, may soon be expected, else the Lounger is not the war correspondent he used to be.

Such is the eternal influence of Phosphorus, the prolific pussy, who has but to scribble its own inner longings and thwarted reflexes, and, lo, the student body must adopt his not quite sophisticated attitude: it has come to the Lounger's ear that certain undergraduates were recently reprimanded in vigorous epithet for their nocturnal expeditions to the roof of their dwelling, the better to observe certain phases of life not completely understood by them.

A humanitarian amongst the faculty! It seems that Prof. Park must needs keep his dog in his office during the absence of his family lest the poor beast's intuition lead him to believe that they have gone to the Cape, which he dearly loves, and left him behind. As the quotation has it, 'we spend millions of dollars annually to protect our livestock and not a cent for our own children,' which, thought if developed a bit in the fashion of one w. k. faculty humorist, must bring us all to weeping bitter tears of self-pity.

But the laurels go to one Professor Gill, M. I. T. '84. This ambidextrous lecturer interrupted one of his discourses to a sympathetic gathering of Seniors long enough to inform them that he, as a chemist, pitied the engineers their woeful lack of dexterity in the laboratory, whereupon he proceeded to upset a burner and stand and various other apparatus, to the accompaniment of combined cheers and snores.

In righteous indignation the Lounger shouts from the housetops that the

As We See the Movies

THE METROPOLITAN

Of the picture at the Metropolitan this week, the star, George Arliss himself says, "I believe we have an even more brilliant story in the Vitaphone version of 'Disraeli' than we had on the stage." Contrary to many such statements, his testimonial is really true. So perfect is the reproduction, so excellent are the sound effects that the audience is almost certain that it is a play they are seeing and not a moving picture.

To Mr. Arliss himself goes most of the credit for the success of "Disraeli." Bringing to the screen the results of his years of experience in the play by the same name, his portrayal of the part of one of the greatest English statesmen shows complete naturalness and his acting throughout is splendid.

The one fault to find with the picture is that it follows the play too closely. The directors have simply photographed the famous drama, act for act, and have not used ordinary moving picture tactics in sustaining action or showing those scenes about which the audience knows nothing except from the players' lines. During the exciting course of events incident to the purchase of the Suez Canal, there were many highly dramatic moments. In not capitalizing on this suspense, the directors have missed an opportunity for making "Disraeli" more than the fine production that it is.

As its chief figure, George Arliss "carries" the story. In his superb acting, however, he is ably assisted by his wife, whose sympathetic characterization of Lady Beaconsfield adds a human element to the political intrigue of the court circle. Joan Bennett, vivacious daughter of Richard Bennett is beautiful as well as being a fine actress, and of the lesser roles hers is outstanding.

The stage show, "Sky Harbor" has some clever effects which give a realistic illusion of a Zeppelin in flight. The talent is good, especially Herschel Henlere, an erratic pianist, but the picture is much the better part of the entertainment.

Book-of-the-Month Club is but a second-rate imitation of that efficient organization long ago formulated by the instructing staff and the officers of the Coop. Yea, verily.

Wise to the ways of freshmen, the heeler at the Technique desk in Building 10 cracked nary a smile as the yearling confided that he would sign up for some Senior pictures a little later in the year, since he had not yet made the acquaintance of many Seniors.

The youngest student at a college in the country is probably Harold Finley, freshman at Northwestern University this year. He was thirteen years old last February.

THE OPEN FORUM

October 25th, 1929
The Editor of "The Tech":

By the time you receive this letter, many Tech students will have read your account of the cross-country meet held at Franklin Park this afternoon. Without detracting from the credit that is due your sport writers, I doubt if it will be possible for them to describe the many features of the meet that must necessarily have been of significance to all followers of athletics at M. I. T. The fact that both the freshmen and the Varsity runners were victorious in their engagement with the hill and dale men of Holy Cross is in itself commendable and reflects credit on both teams and the coach.

But it was more than a race—it was a remarkable example of teamwork. Led by Capt. Thorsen who is perhaps one of the greatest sportsmen in intercollegiate circles, the entire team seemed to be more interested in encouraging their mates than in the final individual standing. On three occasions in the Varsity race two men crossed the finish line neck and neck—each offering words of encouragement to his fellow team-man. Even the members of the frosh team, running their first intercollegiate race, were instilled with the same spirit and until the last few hundred yards were reached a blanket would have covered the entire squad. The result was that men who might have become discouraged trailing their mates were spurred on continually by their own team.

It would seem that gestures of this sort are worthy of recognition from the entire student body. It is possible that the readers of your October 28th issue of THE TECH will be thrilled to learn of to-day's victory. It is also possible that a few of your readers will make it a point to congratulate the competitors. But is that sufficient? Decidedly not. Apart from the managers, coaches, officials in charge

of the meet, and a few flappers pushing perambulators, this writer counted three Tech men at the finish line to greet the team. To the upperclassmen who are more interested in cheap college politics than in real honest-to-God school spirit, an appeal for support is useless. Fraternity men in particular are continually urging their brothers to compete for positions on the various teams at the Institute. They will resort to all the cheap tricks known to modern political soap-box orators to swell their "activity record". Frequently our big "activity men" shout advice to freshmen to shun the "brown bagger" and help to make M. I. T. something more than a brain factory. And yet if a roll call were taken at every athletic meet, it is quite probable that these self-appointed sustainers of "school spirit" would be obliged to respond from the confines of a Committee room or the depths of an arm-chair where they are planning ways and means to defeat the plans of a Ramma Reta Rau man.

To the man who spends hours of his spare time furthering the work of the Institute activities because he is personally interested and despite the "assistance" of "campaign managers", much credit is due. Surely the athlete has an unquestionable claim to his position. I would advise and urge all sponsors of "school spirit" to expend a little effort where it would be most appreciated and where it is greatly needed—namely—in supporting our athletic teams by being present at every meet.

Even if the athlete is not a success "politically", is he not nevertheless entitled to your support?

(Signed) Thos. F. MacLaren '30
Editor's Note: MacLaren was last year's manager of the Gym Team, and was awarded The Schwartz Medal as being the most efficient manager of undergraduate activities.



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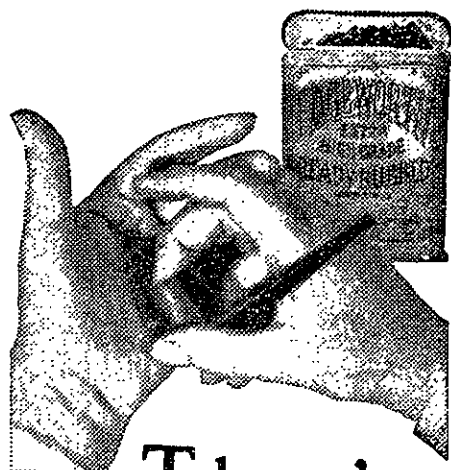
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Blake Noses Out McKay to
Take First for Crusaders in
Yearling Race

Both the Varsity and freshman cross country teams won from Holy Cross College last Friday afternoon at Franklin Park. The Varsity turned in the best score, winning by 23 to 39, while the freshmen were downing their opponents by a margin of 24 to 31. The individual winners for the afternoon were both Holy Cross men. Brennan, the star Crusader hill and dale man, took first in the Varsity encounter in the fast time of 28 minutes, 24 4/5 seconds. Blake took the freshman first place honors for Holy Cross in 17 minutes, 47 2/5 seconds over the three mile course. After the long grind of five miles in the Varsity race Captain Thorsen and Don Gilman came into the home stretch abreast of each other and crossed the finish line that way, in a dead heat for second place honors. The entire field was bunched from the start of the race until the finish, so closely were the runners matched. Closely in back of the two Technology runners came O'Connell to take fourth place for Holy Cross. He and Brennan were the only Crusaders to finish among the first nine men across the line.

Engineers Tie For Fifth
In a tie for fifth place came Berry, Baltzer, and McSheehy for the Engineers. The runners got off to a perfect start but were bunched throughout the race and were never far enough apart to make the outcome of the race seem to be a certainty. Close upon the heels of the three men tied for fifth place came Track Manager Jim Fisk. This is Fisk's first year among the cross country men and his performance in outdistancing many of his team mates of greater experience was outstanding.

Allbright took ninth place for Technology, leading Gammon of Holy Cross over the line. Moody, Littlefield, and Herberts finished eleventh, twelfth, and thirteenth respectively although they were running without numbers in the race and their score did not count on the total for Technology. Adams and Cerela took fourteenth and fifteenth place for the Purple.

Blake of Holy Cross came through to take first place in the freshman race. McKay, took second place for Technology leading Cuneo of Holy Cross across the line. Masters, the newly elected captain of the Engineer yearling harrier team, took fourth place. Kessler, Payne, and Stalter took fifth, sixth, and seventh place for Technology.

The next three men to cross the line were all Holy Cross runners. Sullivan, Goett, and Walsh took eighth, ninth, and tenth places. Burdick and Bell took eleventh and twelfth for the Engineers while Fisher took thirteenth for the Purple yearlings. Fourteenth place went to Russett of M. I. T. At the end of the first two miles (Continued on page 4)

FIELD DAY RELAY
TEAMS ANNOUNCED

Fourteen Chosen to Represent
Each Class—Tentative
List Released

As the result of the time trials held last week, a tentative list of men has been issued of those who will compose the relay teams to take the field in the annual freshman-Sophomore contest Friday. Fourteen men have been picked according to the times they made on the 220 yard course last week. The list as published today will not necessarily be binding, for if any man not on the list makes a fast enough dash down the track he will replace the man on the team whose best time is slower than his.

The following are the names, listed according to the speed made in the tryouts:

Sophomores	Freshmen
Mulliken	Peck
Hughes	Shaw
Hall	Soisalo
Brown	Flanders
Kerrisher	Morse
Werra	Coon
Lawson	Kinraide
Litchenstein	Wall
Medrano	Dworzeski
Cree	Clark
Fahey	Callabrae
Corson	Prescott
Wheeler	Rosenthal
Stowell	Goodman

ENGINEER BOOTERS
LOSE THIRD GAME
TO WORCESTER 2-0

Varsity Plays Poorly—Missing
Many Shots at Goal in
First Quarter

FRESHMEN LOSE 3 TO 0

By a most unexpected upset, the soccer team was defeated Saturday afternoon on the Worcester field by Worcester Polytech by the score of 2 to 0. The Engineers were wholly out of form, and the Worcester booters after the first quarter led the offense, making many shots at the M. I. T. goal.

In the first period, both teams played hard, and the Engineers made several drives at the Worcester goal but failed to score. Although the lineup was practically the same as in the Dartmouth game on the previous Saturday, the Beaver booters could not seem to get started, and W. P. I. started the offense in the second quarter for the first score.

Ericson, who plays inside left on the Polytech team, scored the first goal after a hard scrimmage in center field. The Engineers booters were obviously hampered by the narrow field. The Engineers' booters were several times on wing plays. The game was played with a light ball, which made accuracy almost impossible on long shots in the wind. No more scores were made in the first half and the second period closed with the score 1 to 0 for Worcester Polytech.

In the third quarter Worcester Polytech scored again when Larson. (Continued on Page 4)

SECOND HANDICAP
MEET OF SEASON
HELD SATURDAY

Ladd, Hazeltine, Brown, Mc-
Niff, Take First Places With
No Handicaps

SIX EVENTS WERE HELD

For the second time this fall, a handicap meet in track was held on Saturday. Six events were held in the meet, three being field and three track events. McNiff, Ladd, Hazeltine and Brown were the winners who started from scratch. Kreuscamp and Kinraide won their events with small handicaps.

The first event of the afternoon was the 75 yard dash. In this event two trial heats were run and then a final heat. In the first trial Kreuscamp took first place in 8 seconds flat with a handicap of seven feet. Grondal was second with a three foot handicap. In the second heat, Kinraide took first place in 8 1/5 seconds, his handicap being four feet. Ladd, starting from scratch, took second place. In the final heat, Kreuscamp took first place in 8 seconds. Kinraide was second, while Ladd and Grondal were third and fourth respectively.

300 is Very Fast
After the 75 yard dash, the 300 yard dash was held. Three races were run in this event and the best times made were taken as the winners in place of holding a final. Ladd, starting from scratch, took first place with a recorded time of 33 3/5 seconds. Hall, also starting from scratch was second with a time of 34 seconds flat. Kreuscamp and Wadsworth were tied for (Continued on Page 4)

N.E.I.C.C.A. Will
Hold Wrestling
Meet In Hangar

Rally for New Men is Planned
For Monday Following
Field Day

This year the New England Wrestling Intercollegiates and the freshman Intercollegiates will be held sometime in March in the Hangar Gym. Last year the Championships were held in the Hemenway Gymnasium at Harvard, and were won by the matmen from Brown. Some of the outstanding teams that will wrestle at the Intercollegiates this year are Harvard, Brown, Tufts, and Williams. Technology placed fourth in the Championships last year.

A mass meeting of all first year men interested in wrestling will be held on Monday following Field Day at 5 o'clock in the Hangar Gym. All freshmen who have signed up must be present as attendance will be taken, and anyone interested in learning how to wrestle is invited to work out with the squad.

According to the librarian at Washington and Lee University, non-fiction surpasses fiction in popularity among the students at that institution. Incidentally, Shakespeare is the most popular of the modern authors, according to a survey at the University.

SEEDED PLAYERS ALL
ADVANCE IN TOURNNEY

Doleman, Winner Last Year
Is Forced to Default

All seeded players in the Fall Tennis Tournament have taken advantage of the prevailing fair weather to defeat their opponents and advance toward the finals. Doleman, who is seeded number one and winner in last year's tournament, was forced to default to Phillips.

Results of the recent matches are as follows: Spreen defaulted to Captain Wigglesworth; Herbert defeated Sysko 6-4, 7-5; Dame defeated Meyers 6-0, 6-2; Bender defeated Jewell 6-0, 6-2; Cleary defeated Vint 6-0, 6-0.

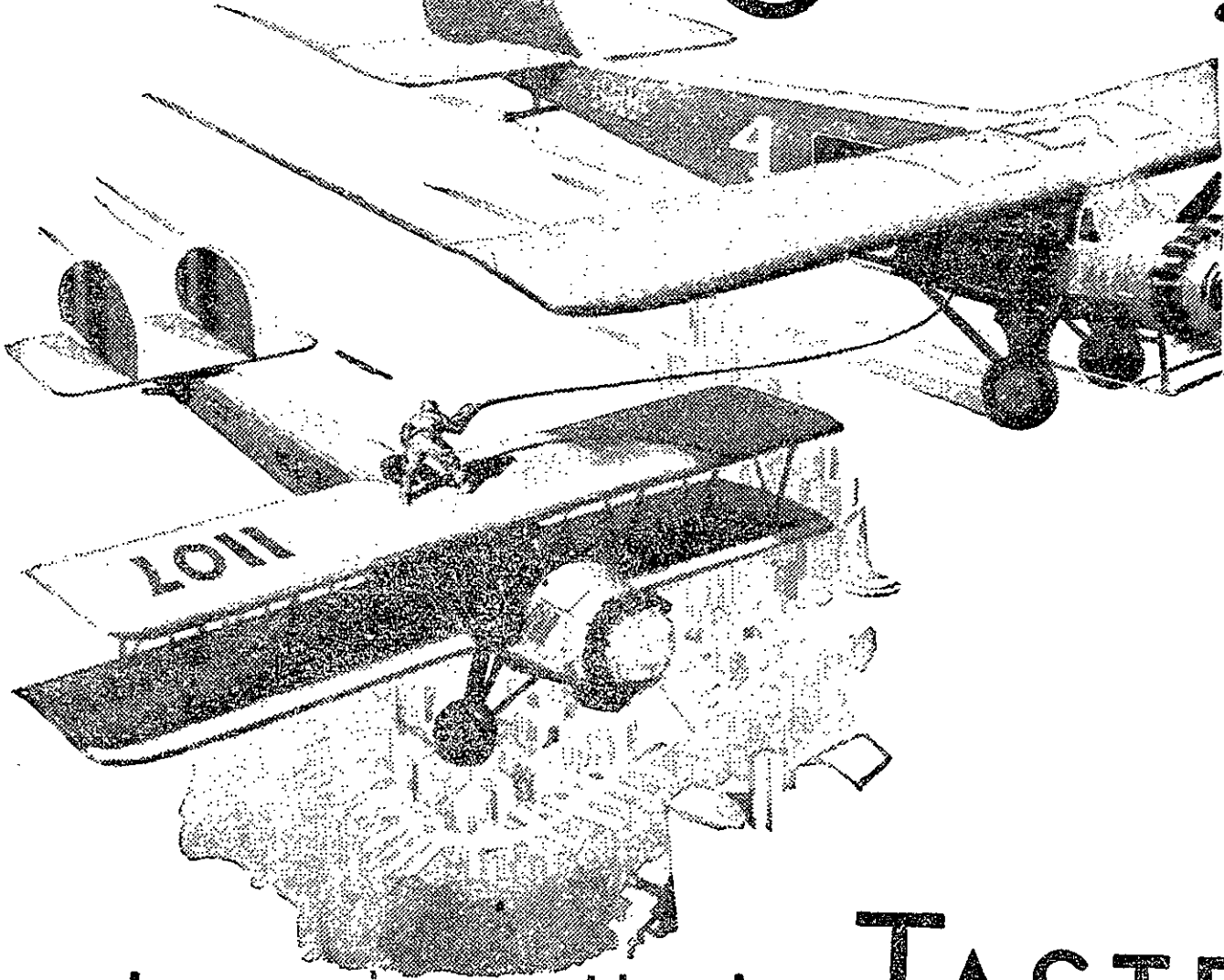
The managerial competitions remain open for interested Sophomores and freshmen who are asked to leave their names at the M. I. T. A. office.

A four inch bend in a 167 foot well which was recently drilled at the University of Purdue necessitated complete removal of the pipe. As the drill was boring into the ground the hole became bent in such a way that it was four inches out of plumb when the bottom was reached, and as the well was to be operated by a series of propellers placed at intervals along a 167 foot shaft extending from the top to the bottom, the four inch error was serious. The result is that the entire 167 feet of twelve inch pipe is being slowly pulled out of the hole by "two men and an antiquated 'pile driver in reverse'."

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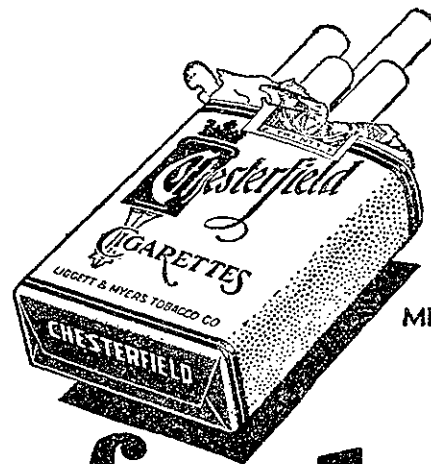


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NOTICES - ANNOUNCEMENTS Of General Interest

Hydraulic Turbines

Dr. Ing. D. Thoma

Monday, October 28, 2 P. M., Room 1-190

Dr. Ing. D. Thoma, Professor of Hydraulics, Water Power Machinery and Water Power Plants and Director of the Hydraulic Institute at the Technische Hochschule of Munich, Germany, will present the last lecture in the series on Hydraulic Turbines and Related Subjects in Water Power Plant Design. The topic of this lecture will be "Effect of Scale in Model Tests and General Remarks about Hydraulic Laboratories for Turbine Research." The lecture will be illustrated by lantern slides.

The lecture is open to students and members of the instructing staff.

CALENDAR

Monday, October 28

5:00 P. M.—Meeting of Freshman Rules Committee, Committee Room, Walker
5:00 P. M.—Meeting of Song Book Committee, Committee Room, Voo Doo Office
6:00 P. M.—Alumni Council Dinner Meeting, Faculty Dining Room, Walker

Tuesday, October 29

12:00 M.—Reserve Officers' Association, North Hall, Walker
3:30 P. M.—Architectural Society Meeting, Rogers Building
4:00 P. M.—Liberal Club Meeting, Room 4-270
8:00 P. M.—Pi Delta Epsilon Meeting, West Lounge, Walker

Wednesday, October 30

7:20 P. M.—Tech Show Chorus Tryouts, North Hall and Faculty Dining Room, Walker
5:30 P. M.—Scabard and Blade Smoker, Grill Room, Walker
7:30 P. M.—T. C. A. Drive Dinner, North Hall, Walker

Thursday, October 31

6:00 P. M.—A. I. E. E. Dinner Meeting, North Hall, Walker

Friday, November 1

8:00 P. M.—Field Day Banquet, North Hall, Walker

Undergraduate

LIBERAL CLUB MEETING

There will be a meeting of the M. I. T. Liberal Club tomorrow in Room 4-270 at 4 o'clock. Prof. Doten of the M. I. T. Economics Department will speak on the subject "Is the New Tariff a Menace?"

TECHNIQUE PICTURES

Appointments for sitting for Senior pictures for the 1930 Technique are now being made. These may be made in front of the Information Office every day at the following times: from 8:45 to 9 o'clock, from 12 to 2:30 o'clock, and from 4:30 to 5 o'clock.

MUSICAL CLUBS

All men who can do any kind of a specialty act or who can play any musical instrument are requested to report in the Musical Clubs office in room 303, Walker Memorial at five o'clock, this afternoon. Men who can play accordians are especially requested to report.

There will be a meeting of the Song Book Committee in the Voo Doo office on the third floor of Walker at five o'clock this afternoon.

FIELD DAY BANQUET

The annual Field Day banquet will be held on Field Day Nov. 1, in the North Hall of Walker Memorial at six o'clock. All members of teams and officials are invited.

FRESHMAN NOTICE

There will be a meeting of all freshman section leaders this afternoon in the room opposite the entrance to 10-250.

ARCHITECTURAL SOCIETY

A meeting of the Architectural Society will take place next Tuesday, October 29, Huntington Hall, Rogers Building. All those who are interested please attend.

A. A. AWARDS

The following men still have varsity awards waiting for them at the A. A. office:

Thomas A. Fearnside '31
Warren H. Dolben '30
Sven G. Lawson '30
William W. McDowell '30
John M. Hanley '30
David W. Motter '31
Frederick A. Twarogowski '30
Wichian Vibulayamonkal '31
Ludwig C. Hoffmann '30
Irving F. Delahanty Unc.
C. M. Cutler '30
James A. Merrill '30
Roy W. Ide, Jr. '30
Robert Lamoretti '31
William P. G. Hall '31
Daniel V. Lucy '30
William E. Cullinan '30
Philip J. Riley '30
John S. E. Chibas '31
Stephan C. Gawlowicz '31

There are also class numerals for those men who earned them on the Baseball Team last spring.

Lettermen in the intellectual field are announced at Duke University, where a gold "D" is presented to those freshmen making grades of over 90%.

Blame On Pilots For Majority Of Aerial Fatalities

Improved Safety is Great Need
In Aeronautics States
Prof. Taylor

"Most airplane fatalities are due to errors on the part of the pilot," stated Professor Charles F. Taylor, present head of the Aeronautical engineering department, at an A. E. S. smoker held last Thursday evening. The answer to the safety problem, he continued, lies not in training more capable pilots but in making the airplane safe and nearly fool proof.

Summarizing recent developments which tend to eliminate some of the risk in aviation, Professor Taylor mentioned the Handley-Page wing slots which allow the plane to fly at a higher angle of attack without stalling. The autogiro brings in a new type of ship which can make nearly vertical landings, hence it can be said to have no stalling angle.

Improve Design

After increasing safety, the next step is improvement in design. Examples of this are the N. A. C. A. cowling which cuts down the resistance of air cooled motors, and the use of Prestone as a cooling fluid in the water cooled engine in order to better stream line the plane without the large expanse of radiator surface which the water cooled engine now demands.

Airships now under construction have the motors housed inside the hull, employing a stream lined shafting as a connection to a large propeller. The propellers are equipped with reduction gears and are reversible. They may also be rotated so that they will drive in either the vertical or horizontal planes thus they may be used to facilitate raising or depressing the ship. The Diesel motor remains an uncertain factor in the field of aeronautics.

Only those air lines which carry mails are operated at a profit. These contracts are a thinly veiled method of subsidy. Lighter than air ships can not be run at the present time because of the prohibitive expense of operation.

All persons who are interested in the Aeronautical Engineering Society are asked to sign up as soon as possible in the Main Lobby.

SOCCER NOTICE

All freshmen who are out for soccer are requested to report at the Coop Field every morning at 7 o'clock.

TECHNIQUE PICTURES

Appointments for sitting for Senior pictures for the 1930 Technique are now being made. These may be made in front of the Information Office every day at the following times: from 8:45 to 9 o'clock, from 12 to 2:30 o'clock, and from 4:30 to 5:30 o'clock.

1933 Use Weaker Sex To Scout Sophomores

Signs of the impending Field Day struggle are already beginning to show. Saturday afternoon, during the second quarter of the football game between the Class of 1932 and Newport Naval Training School, the Sophomores discovered that the President of the Junior Class, a freshman, and a girl friend were busy taking notes of the plays. Nothing was done to stop them however until after the final whistle when a group of Sophomores waited for the scouts and demanded the notes. This request was at first refused but the threat of a nearby brook finally won the day and the notes were handed over by the girl friend. Perhaps the scouts had counted upon the chivalry of the Sophomore Class in concealing their notes with the weaker sex.

HILL-AND-DALERS WIN OVER PURPLE

Freshman Team Does Fine
Work—Wins Over Yearling
Crusaders 24-31

(Continued from Page 3)

In the freshman race the men were bunched. Of the first seven men to pass this mark, five were Engineers. This ably illustrates the teamwork that the Engineers showed throughout both races. There did not seem to be a man running for individual honors but rather were running for a team score that would win. The final score illustrates this even more strikingly.

This year is the first one in which the Engineer yearlings have overcome Holy Cross in cross country, as prior to this they had been defeated for three successive years. The Varsity took a lead in their series with the Crusaders, making this their third win to the Purple's two in the past six years.

SOCCER TEAM LOSES TO WORCESTER TECH

Freshmen Take 3-0 Defeat
From Harvard Yearling Team

(Continued from Page 3)

center on the Polytech team, succeeded in putting one past Wyman on a fast play. This was the only score made in the third quarter, the Engineers being unable to hit their opponents' goal after many shots.

No score was made by either team in the final period although both teams came close to scoring only to have their shots blocked by the goalies, and the game ended, Worcester winning 2 to 0. Last year the Engineers won 2 to 1, and judging from appearance against Dartmouth, the Worcester game has been the biggest upset of the season.

Freshman Lose

In their game with Harvard last Saturday, the yearling booters lost their second game of the season 3 to 0 on the Harvard field. The frosh played a hard game the first quarter, but the Crimson booters were able to break through in the remaining three periods, scoring three goals on the M. I. T. freshmen.

Although the Engineers had several chances to score in the first and fourth quarters, they were unable to get any shots past Fitch, the Crimson goalie, Harvard scoring in the second, third, and fourth periods.

The lineups of the teams were as follows:

Varsity		W. P. I.
M. I. T.		
Wynan, goal.	goal.	Whitaker
Hawkins, r.h.	r.h.	Walker
Riehl, l.h.	l.h.	Tillan
Ryan, r.h.b.	r.h.b.	Hurley
Cooper, c.h.b.	c.h.b.	Rice
Newman, l.h.b.	l.h.b.	Tulka
Schultz, o.	o.	Bayan
Kashemsanta, f.	f.	Hambrice
Yolez, c.	c.	Larson
Serralach, l.h.	l.h.	Ericson
Vibulayamonkal, o.	o.	Skrupat
Substitutions: M. I. T. Cooper for Ryan, Gallese for Newman, Ayres for Gallese, Oxford for Serralach, Newman for Oxford		

Freshmen		HARVARD
M. I. T.		
Mayer, goal.	goal.	Fitch
Mohr, r.	r.	Vandermark
Hass, l.h.	l.h.	Hasgood
Conway, r.h.	r.h.	Denison
Snow, c.h.	c.h.	Waters
Bateman, l.h.	l.h.	Martin
Flint, r.	r.	Lindsey
Way, l.h.	l.h.	Eaton
Sinkovic, o.	o.	Galloway
Thrimm, l.h.	l.h.	Schumacher
Handley, l.h.	l.h.	Williams
Substitutions: M. I. T. Kessler for Conway, McCormack for Thrimm, Harvard: Grossman for Waters, Heard for Grossman.		

STUDENT DIRECTORY PROOFS

Tomorrow is the last day on which the Student Directory Proofs will be on display. Every student is asked to look at the proofs and to make any necessary corrections on the cards provided for that purpose.

Drive On Sale Of Technology Song Book Commences

Proceeds Will go for Purchase
Of a New Shell for
The Crew House

In a special drive this week, the committee on the Song Book is endeavoring to raise the remainder of the funds necessary for the purchase of a new shell for the Crew House. The fraternity houses and the dormitories are to be systematically canvassed, and the results are expected to be gratifying.

The present condition of the shells owned is very bad. There are four or five shells in use, and of these, only one is fit to use in a race. This shell was bought last year by means of an anonymous gift, and is expected to do service throughout this year. The average life of a shell is from six to eight years when it is well taken care of. For two years it is used in races, and for the following years it serves as a practice boat. The initial cost is \$1200, while the upkeep is taken care of by the men in employ of the Athletic Association.

Yearly Expenses \$3500

Last year's expenditures for Crew were \$5,617.64, while the total receipts were \$2,119.30, leaving the net costs of the sport \$3,498.34. This is furnished by the Athletic Association from the yearly Undergraduate dues, and includes only \$110.00 for equipment. Barges were purchased second hand last summer from Harvard, and these are to be used especially for the freshmen.

This year's program makes rather heavy demands on the one shell which is in condition, for there are two races with Columbia, two with the Navy, a quadrangle and a triangle meet, as well as several important dual meets. Unless the sport is presented with another gift, the sale of the Song Books will be the only means of providing the funds for the new shell. Thus it is put up to the students whether or not we are to give Crew its necessary equipment.

TECH REVIEW HAS COLORED COVERS

New Type of Paper Used to
Carry Halftone Reproductions

Redecorated and refurbished, the new Technology Review will be available to the students on Thursday in the Main Lobby. The colored cover will be one of the main features of the monthly and other water colors chiefly of European scenery will grace the covers of the following issues. A special kind of coated paper is being used to secure fine halftone photographs.

"A Billion Wild Horses" by Stuart Chase '10 is the leading article and in it the author discusses the effects of the machine age. "Halyards and Reef-Tackles" by George C. Wales '89 presents a description of the preparation of lithographs and etchings, many of which are illustrated. There is an article on the aspects of the Boulder Dam written by Frederick H. Newhall '85 and one entitled "Naval Armament Reduction" by Professor William Hovgaard describes the barrier to naval agreement. Besides these are articles dealing with engineering progress and several reviews of recent scientific books.

HANDICAP MEET IS HELD ON SATURDAY

Hazeltine Vaults from Scratch
To Height of 12 ft. 3 in.

(Continued from Page 3)

third place with a time of 34 3/5 seconds. Following the 300 yard dash the 3/4 mile run was held. There were only three entrants in this event. McNiff was the only man to start from scratch and he was the winner of the event. Conant with a handicap of 100 yards took second place. McNiff's time for the distance was 3 minutes 30 2/5 seconds.

Brown Wins Javelin

In the javelin throw, Brown, throwing from scratch, took first place with a heave of 168 feet, 7 inches. Closely behind him was Whitworth with 167 feet, 3 inches to his credit. Whitworth's handicap was 30 feet. Walker took third place with a total distance of 166 feet 7 inches. His handicap was 50 feet. Soisalo, with a handicap of 40 feet, took fourth place with 153 feet 8 inches.

In the pole vault, Hazeltine took first place. He started with no handicap and vaulted to a height of 12 feet 3 inches. Second to him came

Cree with an accredited height of 12 feet. His handicap was 1 foot 6 inches.

Kinraide won the broad jump with a credited distance of 20 feet 10 1/4 inches. His handicap was 3 feet. Soisalo, with a handicap of 3 feet, took second with 20 feet 6 inches to his credit. Zigler, the only man to have no handicap made the longest jump of the afternoon when he did 19 feet even.

The great Moslem University at El Azhar, one of the oldest seats of learning in the world, will shortly be modernized, along the lines of American Universities. The Egyptians recently passed a law which will abolish the antiquated form of instruction there, which has existed there from time immemorial, and will substitute a program which includes the teaching of modern languages and sciences.

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30 HAYMARKET SQUARE
629 WASHINGTON STREET
139 CONGRESS STREET
8-9 TREMONT ROW
332 MASSACHUSETTS AVE.
19 SCHOOL STREET
437 BOYLSTON STREET
31 BROMFIELD STREET
540 COMMONWEALTH AVE.
204 DARTMOUTH STREET
105 CAUSEWAY STREET

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